



Cisco 12000 Series Original 4-Port OC-3, 4-Port OC-12, and 1-Port OC-48 Packet-over-SONET Line Cards End-of-Sale Announcement

Cisco 12000 Series Original 4-Port OC-3, 4-Port OC-12, and 1-Port OC-48 Packet-over-SONET Line Cards End-of-Sale Announcement

Cisco Systems is announcing the end of sale for the original 4-Port OC-3, 4-Port OC-12 and 1-Port OC-48 Packet-over-SONET (POS) line cards. These line cards have been replaced with newer versions based on the IP Services Engine (ISE) that provide additional features and increased performance, eliminating trade-offs between density and performance. The microcoded adaptive network processors in the Cisco ISE combine the hardware performance of application-specific integrated circuits (ASICs) with the programmable flexibility of software, enabling a broad range of new services with a simple software upgrade instead of a costly hardware replacement.

Table 1 lists the products and part numbers that will no longer be orderable as of December 1, 2003. Table 2 lists the replacement line cards with associated part numbers.

Table 1

Line Cards and Associated Product Part Numbers That Will Not Be Orderable After December 1, 2003

Line card	Product part number
Four-Port OC-3c/STM-1c POS/SDH Line Card, Single-Mode	LC-4OC3/POS-SM
Four-Port OC-3c/STM-1c POS/SDH Line Card, Multi-Mode	LC-4OC3/POS-MM
Four-Port OC-3c/STM-1c POS/SDH Line Card, Long Reach LC with SC connector	4OC3/POS-LR-SC
Four-Port OC-12c/STM-4c POS/SDH Line Card, Single-Mode	4OC12/POS-IR-SC-B
Four-Port OC12c/STM4c POS/SDH Line Card, Multi-Mode	4OC12/POS-MM-SC-B
One-Port OC-48c/STM-16c POS/SDH Line Card, Short Reach with SC connector	OC-48E/POS-SR-SC-B
One-Port OC-48c/STM-16c POS/SDH Long Reach with SC connector	OC-48E/POS-LR-SC-B

The line cards in Table 1 have performance limitations when enabling key features such as Multiprotocol Label Switching (MPLS). In addition, the 4-Port OC-12 and 1-Port OC-48 POS line cards require the use of bundled features as a result of microcode space limitations. The new IP Services Engine (ISE) line cards do not have this performance limitation and can enable all supported features simultaneously.

Table 2

Improved Line Cards and Associated Part Numbers

Line card	Part number	Minimum Cisco IOS [®] Software release required
Four-Port OC-3c/STM-1c POS/SDH ISE Line Card, Long Reach	4OC3X/POS-LR-LC-B	12.0(22)S
Four-Port OC-3c/STM-1c POS/SDH ISE Line Card, Short Reach	4OC3X/POS-MM-MJ-B	12.0(22)S
Four-Port OC-3c/STM-1c POS/SDH ISE Line Card, Intermediate Reach	4OC3X/POS-IR-LC-B	12.0(22)S
Eight-Port OC-3c/STM-1c POS/SDH ISE Line Card, Short Reach	8OC3X/POS-MM-MJ-B	12.0(22)S
Eight-Port OC-3c/STM-1c POS/SDH ISE Line Card, Intermediate Reach	8OC3X/POS-IR-LC-B	12.0(22)S
Sixteen-Port OC-3c/STM-1c POS/SDH ISE Line Card, Short Reach	16OC3X/POS-M-MJ-B	12.0(21)S4/ST4
Sixteen-Port OC-3c/STM-1c POS/SDH ISE Line Card, Intermediate Reach	16OC3X/POS-I-LC-B	12.0(21)S/ST
Four-Port OC-12c/STM-4c POS/SDH ISE Line Card, Single-Mode	4OC12X/POS-I-SC-B	12.0(21)S/ST
Four-Port OC-12c/STM-4c POS/SDH ISE Line Card, Multi-Mode	4OC12X/POS-M-SC-B	12.0(21)S/ST
One-Port OC-48c/STM-16c POS/SDH ISE Line Card, Short Reach	OC48X/POS-SR-SC	12.0(20)S/ST
One-Port OC-48c/STM-16c POS/SDH ISE Line Card, Long Reach	OC48X/POS-LR-SC	12.0(20)S/ST

Key Dates

Table 3 lists the key dates associated with this product bulletin.

Table 3

Key Milestones, Definitions, and Dates

Milestone	Definitions	Date
End of Life Announcement Date	This document, which provides public notice of the affected products and applicable dates.	March 01, 2003
End of Sale Date	The last date to order the product through Cisco point-of-sale mechanisms. The product is no longer for sale.	December 01, 2003
Last Shipment Date	The last possible date that Cisco and/or its contract manufacturers will ship the affected product.	March 01, 2004
End of New Service Attachment Date	For equipment that is not covered by a service-and-support contract, this is the last day to order a new service-and-support contract or add the equipment to an existing service-and-support contract.	December 01, 2004
End of Software Maintenance Release Date	Cisco will no longer provide software fixes to newly discovered software bugs.	December 01, 2006
End of Routine Failure Analysis Date	The last possible date a routine failure analysis may be performed to determine the cause of product failure or defect.	December 01, 2006
End of Service Contract Renewal Date	The last date to extend or renew service contracts for this product. The extension or renewal period cannot extend beyond the last date of support.	September 01, 2008
Last Day of Support (Product Obsolescence)	Cisco will no longer support these products and they are considered obsolete. Cisco Customer Advocacy Service Logistics will no longer carry inventory for customer return material authorizations (RMAs). The Cisco Technical Assistance Center (TAC) will no longer support these products.	December 01, 2008

For more information about the replacement line card, please review the product data sheet and other collateral on Cisco.com at:

<http://www.cisco.com/en/US/products/hw/modules/ps2710/ps3149/index.html>

If you have questions or need more information, please contact your Cisco account team.



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